

SOUTHERN MARYLAND SAND, GRAVEL, AND STONE
ADMINISTRATIVE RECORD FILE * **
INDEX OF DOCUMENTS

SITE IDENTIFICATION

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- 2) Memorandum to Mr. Edward Cohen, U.S. EPA, from Mr. William L. Budde and Mr. James W. Eichelberger re: Five samples from Galaxy Chemical Company, 9/11/74. P. 65-65.
- 3) Report: Analysis of Water Samples, prepared by University of Maryland, Department of Chemistry, 11/12/74. P. 66-68.
- 4) Historical Background Fact Sheet re: Hearing concerning the dumping of organic wastewater from Galaxy Chemical, Inc. at Maryland Sand and Gravelstone Company, Inc., 11/14/74. P. 69-69.
- 5) Letter to Mr. Lester R. Summers, Maryland Sand and Gravelstone Company, Inc., from Mr. Roger A. Kanerva, Maryland Department of Natural Resources, re: Results of a hearing concerning the dumping of organic wastewaters from Galaxy Chemicals, Inc., at Maryland Sand and Gravelstone Company, Inc., 12/12/74. P. 70-72. A Supplemental Order is attached.
- 6) Letter to Mr. Paul Mraz, Galaxy Chemical, from Mr. Roger A. Kanerva, Maryland Department of Natural Resources, re: Confirmation of Administrative Hearings, 12/12/74. P. 73-76. An Order is attached.

* Administrative Record File available 1/24/88, updated 10/13/89.

** Supporting Sampling data is stored at the EPA Region III Central Regional Laboratory in Annapolis, Maryland.

Note: Company or organizational affiliation is identified in the index when it appears in the record. Sand, Gravel and Stone Site is also referred to as Maryland Sand, Gravel and Stone, Maryland Sand and Gravelstone Company, Maryland Sand and Gravelstone Company, Inc., Maryland Sand and Gravelstone, and Maryland Sand, Gravel and Stone Company.

- 7) Handwritten Sampling Schedule Form, 12/16/74. P. 77-78.
- 8) Memorandum to Mr. Bill Yanovich, Maryland Department of Natural Resources, from Mr. Carlo Brunori, Maryland Department of Natural Resources, re: Biological sampling of sites on Maryland Sand and Gravelstone Company, Mill Creek and Laurel Run properties, 12/16/74. P. 79-84. The biological data and site maps are attached.
- 9) Letter to Mr. Lester Summers, Maryland Sand and Gravelstone Company, Inc., from Mr. Roger A. Kanerva, Maryland Department of Natural Resources, re: Compliance with the Order, 2/13/75. P. 85-87. A Supplemental Order is attached.
- 10) Letter to Mr. Herbert Sachs and Mr. Joseph P. Lewandowski from Mr. Lester R. Summers, Maryland Sand and Gravelstone, re: Compliance with Supplemental Order, 6/9/75. P. 88-89.
- 11) Memorandum to Mr. Bill Yanovitch, Maryland Department of Natural Resources, from Mr. George Harman, Maryland Department of Natural Resources, re: Biological conditions of Mill Creek in the Little Creek drainage basin, 7/14/75. P. 90-93. The biological data and a site map are attached.
- 12) Memorandum to Mr. Bill Yanovitch from Mr. George Harman re: Biological assessment of the surface water quality at the Galaxy Chemical Company Disposal Site, 6/22/76. P. 94-97. The biological assessment data is attached.
- 13) Application for a Facility Permit for Maryland Sand, Gravel and Stone Company, 12/7/78. P. 98-100.
- 14) Memorandum to files from Mr. Jeffrey Hass, U.S. EPA, re: Inspection of the site, 12/18/78. P. 101-102.
- 15) Report: Summary Report for Maryland Sand, Gravel and Stone Company, prepared by Maryland Department of Natural Resources, 1/17/80. P. 103-111.
- 16) Handwritten Drilling Survey, 1/29/80. P. 112-115.
- 17) Memorandum to Mr. Fredric Sachs, Maryland Department of Health and Mental Hygiene, from Mr. Rich Steimle, Maryland Department of Health and Mental Hygiene, re: Processing of facility permit and subsurface investigation, 12/8/80. P. 116-117.

- 18) Field Investigation Report, 11/28/71. P. 118-119. A list of violations is attached.
- 19) Report: Project Completion Report (no author cited), (undated). P. 120-143.
- 20) Chronology of Events of Maryland Sand, Gravel and Stone Co., Site, Spectron, Inc. and Galaxy Chemical, Inc., (undated). P. 144-157.
- 21) Handwritten notes re: Location of buried drums, (undated). P. 158-160. Two location maps are attached.

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- 1) Potential Hazardous Waste Site Log for Elkton Quarry, 11/14/79. P. 1-1.
- 2) Potential Hazardous Waste Site Identification for Maryland Sand and Gravel, 9/16/81. P. 2-2.
- 3) Contamination Potential Form for Maryland Sand and Gravel, 9/29/81. P. 3-3.
- 4) Potential Hazardous Waste Site Final Strategy Determination, 10/26/81. P. 4-4.
- 5) Hydrologic and Geological Information of Preliminary Assessment, 2/11/82. P. 5-10. Five site maps are attached.

Preliminary Assessment/Site Identification Documents

- 1) Report: A Preliminary Assessment and Site Inspection of Maryland Sand and Gravelstone Company, Route 40, Elkton, Maryland, prepared by Ecology and Environment, Inc., 5/7/82. P. 1-248.
- 2) Report: A Preliminary Assessment and Site Inspection of Maryland Sand and Gravelstone Company, Route 40, Elkton, Maryland, prepared by Ecology and Environment, Inc., 9/29/82. P. 249-406.

Correspondence and Supporting Documentation

- 1) Letter to Dr. Wilfred H. Shields, Maryland Department of Health, from Mr. Paul J. Mraz, Galaxy Chemical, Inc., re:

Galaxy's intention to acquire land to be used for the treatment and disposal of ordinary industrial chemicals, 1/25/67. P. 1-3.

- 2) Memorandum to Mr. Howard E. Chaney from Mr. J. A. Bergan, Maryland Department of Health, re: Investigation of complaint concerning odors from Galaxy Chemical Company, 3/13/68. P. 4-6.
- 3) Letter to Mr. R. F. Gasaway, Airco Chemicals and Plastics, from Mr. Eduardo Acevedo, Maryland Department of Water Resources, re: Airco's disposal of wastewater, 1/15/69. P. 7-7.
- 4) Letter to Airco Chemicals and Plastics from Mr. Paul W. McKee, Maryland Department of Water Resources, re: Approval of Airco's disposal of industrial wastewaters, 3/13/69. P. 8-9.
- 5) Letter to Mr. R. F. Gasaway, Airco Chemicals and Plastics, from Mr. Eduardo Acevedo, Maryland Department of Water Resources, re: Reviewing the industrial wastewater disposal practices, 11/24/69. P. 10-10.
- 6) Memorandum to Mr. J. H. Arnold from Mr. R. F. Gasaway re: Description of Elkton plant's wastewater, 5/26/71. P. 11-12.
- 7) Letter to Mr. Paul Mraz, Galaxy Chemicals, Inc., from Mr. Frederic L. Sachs, Maryland Department of Health and Mental Hygiene, re: Bureau of Air Quality Control's review of Galaxy Chemical's plant, 2/21/73. P. 13-13.
- 8) Letter to Mr. William Mills from Mr. Paul J. Mraz re: Disposal of waste from solvent reclaiming, 4/2/74. P. 14-14.
- 9) Memorandum to Mr. W. A. Sumner from Mr. D. A. Hill re: Recommendation of action to be taken to eliminate future dumping of chemical waste at the site, 4/15/74. P. 15-15.
- 10) Letter to Mr. Lester R. Summers, Maryland Sand and Gravelstone Company, from Mr. William A. Sumner re: Odor complaints, 4/16/74. P. 16-16.
- 11) Handwritten telephone messages to W. A. S. [sic] from Mr. Ralph Pugh, Mr. Paul Mraz, and Mr. Bill Poff [sic] re:

Maryland Sand and Gravel Company, 5/2/74. P. 17-17.

- 12) Report of Water Analysis from Maryland Department of Health and Mental Hygiene, 5/13/74. P. 18-18.
- 13) Memorandum to Mr. George P. Ferreri from Mr. William A. Sumner re: Resident complaints against Galaxy Chemical, 8/2/74. P. 19-19.
- 14) Letter to Mr. Lester R. Summers, Maryland Sand and Gravelstone Company, from Mr. William A. Sumner re: Investigation of odors from plant, 8/2/74. P. 20-20.
- 15) Handwritten memorandum to Records from Mr. W. A. Sumner re: Maryland Sand and Gravelstone visit, 8/20/74. P. 21-21.
- 16) Memorandum to Dr. Byers from Mr. W. Sumner re: Baltimore Sun reporters visit, 8/20/74. P. 22-22.
- 17) Memorandum to Records from Mr. W. Sumner re: Maryland Sand and Gravelstone pits, 8/22/74. P. 23-23.
- 18) Letter to Mr. Herbert M. Sachs, Maryland Water Resources Administration, from Mr. William A. Sumner, Maryland Cecil County Health Department, re: Transmittal of August 26, 1974 letter to Mr. Lester R. Summers, 8/23/74. P. 24-25. The letter is attached.
- 19) Letter to Mr. Paul J. Mraz, Galaxy Chemical, Inc., from Dr. John M. Byers, Maryland Cecil County Health Department, re: Cease and desist order from Maryland Sand and Gravelstone Company, 8/26/74. P. 26-27. A telephone message regarding the cease and desist order is attached.
- 20) Handwritten notes re: Meeting held at the site, 8/27/74. P. 28-28.
- 21) Report: Little Elk River Valley Task Force (no author cited), 8/30/74. P. 29-31.
- 22) Letter to Mr. Lester R. Summers, Maryland Sand and Gravelstone Company, from Mr. Joseph More, Maryland Department of Health, re: Maryland Sand and Gravelstone's water supply, 9/10/74. P. 32-32.
- 23) Letter to Mr. Paul Mraz, Galaxy Chemicals, Inc., from Mr.

Roger A. Kanerva, Maryland Department of Natural Resources, re: Disposal of organic chemical wastewater by Galaxy Chemical, Inc. on the property of the Maryland Sand and Gravelstone Company Inc., 10/15/74. P. 33-36. Photographs of the site and a site map are attached.

- 24) Letter to Mr. Paul Mraz, Galaxy Chemical, Inc., from Mr. M. Silverstein, Chemex, Inc., re: Shipping date for a load of trichloroethyle and 7000 gallons of Butanol/Toluol [sic] mixture, 10/23/74. P. 37-37.
- 25) Letter to Mr. M. Silverstein, Chemex, Inc., from Mr. Paul J. Mraz re: Chemex, Inc. handling of trichloroethyle and Butanol-toluene mixture, 10/28/74. P. 38-39.
- 26) Letter to Mr. George Constable from Mr. William E. Yanovitch, Maryland Department of Natural Resources, re: Transmittal of draft meeting notes, 11/6/74. P. 40-43. The draft meeting notes are attached.
- 27) Memorandum to Dr. Byers from Mr. W. Sumner re: Scheduling around the clock surveillance at the plant, 12/10/74. P. 44-44.
- 28) Memorandum to Records from Mr. W. Sumner re: Chemical odor emanating from the ponds, 12/13/74. P. 45-45.
- 29) Memorandum to Records from Mr. W. Sumner, Maryland Cecil County Health Department, re: Telephone conversation with Mr. Paul Mraz, 12/19/74. P. 46-46.
- 30) Memorandum to Records from Mr. C. H. Hamilton, Maryland Cecil County Health Department, re: Dumping at Galaxy Chemical, 12/23/74. P. 47-47.
- 31) Letter to Mr. George P. Ferreri, Maryland Bureau of Air Quality Control, from Mr. William A. Sumner, Maryland Cecil County Health Department, re: Transmittal of a memo [sic] from a sanitarian and a statement by Mr. Leonard Madison, 12/26/74. P. 48-48.
- 32) Memorandum to Mr. Henry R. Lord, Maryland Department of Natural Resources, from Mr. Warren K. Rich, Maryland Department of Natural Resources, re: Galaxy Chemical Company, 12/31/74. P. 49-50.
- 33) Letter to Dr. Barry R. Friedlander, Maryland Department of Health and Mental Hygiene, from Mr. William A. Sumner

- re: Transmittal of information on Maryland Sand and Gravelstone Company's pits, 1/16/75. P. 51-51.
- 34) Letter to Mr. John F. DeWitt from Mr. William A. Sumner re: Alleged dumping of chemical wastes, 2/7/75. P. 52-52.
- 35) Letter to Dr. Barry Friedlander, Maryland Department of Health and Mental Hygiene, from Dr. John M. Byers re: Possible link between two residents' cancer and Galaxy's dumping, 2/10/75. P. 53-54.
- 36) Letter to Mr. Paul Mraz, Galaxy Chemicals, Inc., from Mr. Roger A. Kanerva, Maryland Department of Natural Resources, re: Galaxy's waste pond violation, 2/13/75. P. 55-56.
- 37) Memorandum to Dr. Byers, Maryland Cecil County Health Department from Mr. W. Sumner, Maryland Cecil County Health Department, re: Disposal of Galaxy's waste, 2/21/75. P. 57-57.
- 38) Letter to Mr. Herbert Sachs from Mr. William A. Sumner re: Possible methods of chemical waste disposal, 3/3/75. P. 58-58.
- 39) Memorandum to Dr. Friedlander from Mr. Wm. [sic] A. Sumner re: Transmittal of a log kept by Sanitarian Hamilton [sic], 3/31/75. P. 59-59.
- 40) Letter to Mrs. Mary A. Maloney from Mr. Joseph P. Lewandowski re: Administrative Order, 5/13/75. P. 60-60.
- 41) Letter to Mr. Herbert Sachs and Mr. Joseph P. Lewandowski from Mr. Lester R. Summers, Maryland Sand, Gravel and Stone Company, re: Compliance with Section 3 of the Supplemental Order, 6/9/75. P. 61-62.
- 42) Letter to Mr. Lester Summers from Mr. David H. Wilson re: Stabilization of Maryland Sand, Gravel and Stone Company, 6/10/75. P. 63-63.
- 43) Memorandum to Mr. Bill Yanovitch, Maryland Department of Natural Resources, from Mr. George Harman, Maryland Department of Natural Resources, re: Biological conditions of Mill Creek in the Little Elk Creek drainage

basin, 7/14/75. P. 64-68. The biological data and two site maps are attached.

- 44) Field Investigation Reports of Maryland Sand and Gravelstone Company, 8/26/75. P. 69-80.
- 45) Letter to Honorable Francis B. Burch from Mr. Herbert M. Sachs, Maryland Department of Natural Resources, re: Investigation the liquid disposal practices of Galaxy Chemicals, Inc., 9/15/75. P. 81-84. A Summary Statement of Facts and a memorandum regarding odors emitted from Maryland Sand and Gravelstone Company are attached.
- 46) Memorandum to Records from Mr. W. A. Sumner re: Legal action against Maryland Sand and Gravelstone Company, 6/2/76. P. 85-85.
- 47) Memorandum to Mr. Bill Yanovitch, Maryland Department of Natural Resources, from Mr. George Harman, Maryland Department of Natural Resources, re: Biological assessment of the surface water quality at the Galaxy Chemical Company Disposal Site, 6/22/76. P. 86-89. The biological data is attached.
- 48) Memorandum to Spectron (Galaxy)/Maryland Sand and Gravel Pit File from Mr. Christopher B. Pilla, U.S. EPA, re: Sampling inspection at the Spectron solvent recycling facility (formerly Galaxy Chemical) and the Maryland Sand and Gravel Pit, 8/3/79. P. 90-94. A site map is attached.
- 49) Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. John Austin, U.S. EPA, re: Water sample results, 11/19/79. P. 95-98.
- 50) Memorandum to Mr. Daniel K. Donnelly, U.S. EPA, from Mr. T. O. Munson, U.S. EPA, re: Purgeable organics analysis of Galaxy Quarry/Spectron, Inc. samples, 11/21/79. P. 99-100.
- 51) Memorandum to Mr. Walter Lee, U.S. EPA, and Mr. Jeff Hass, U.S. EPA, from Mr. Daniel K. Donnelly, U.S. EPA, re: Organic screening of Galaxy/Spectron samples, 11/28/79. P. 101-101.
- 52) Memorandum to Mr. Frederic Sachs, Maryland Department of Health and Mental Hygiene, from Mr. Rich Steimle, Maryland Department of Health and Mental Hygiene, re:

Application for a facility permit, 12/8/80. P. 102-103.

- 53) Memorandum to Mr. William Chicca, Maryland Department of Natural Resources, from Mr. William P. Jensen, Maryland Department of Natural Resources, re: Processing of Spectron, Inc., application for disposal of hazardous substances facility permit and an application for renewal of NPDES permit, 4/9/81. P. 104-115. A report on Little Elk Creek is attached.
- 54) Letter to Maryland Sand, Gravel and Stone Company from Mr. Ronald Nelson, Maryland Department of Health and Mental Hygiene, re: Transmittal of the Complaint and Order, 5/13/82. P. 116-118. The Complaint and Order is attached.
- 55) Memorandum to Ms. Linda Y. Boornazian, U.S. EPA, from Mr. Garth Glenn, Ecology and Environment, Inc., re: Peer review of Maryland Sand and Gravelstone Company, 9/29/82. P. 119-119.
- 56) Telephone notes to Mr. Dick Willey from Mr. W. C. Smith re: Ground water aquifer and hydrogeological information, 3/4/83. P. 120-120.
- 57) Telephone notes to Mr. John Chlada from Mr. R. Stecik re: Questions about the site, 3/28/83. P. 121-121.
- 58) Telephone notes to Mr. John Chlada from Mr. R. Stecik, NUS Corporation, re: Research conducted on the site, 11/16/83. P. 122-122.
- 59) Supplemental Order to Mr. Paul Mraz, Galaxy Chemicals, Inc., from Mr. Herbert M. Sachs, Maryland Water Resources Administration, (undated). P. 123-124.
- 60) Report: A Summary of Past Inspections and Sampling Events (no author cited), (undated). P. 125-133.
- 61) Handwritten notes re: Waste information, (undated). P. 134-134.
- 62) Telephone notes to Mr. Bill Sumner from Mr. C. Nelson re: Odor Complaints from Maryland Sand, Gravel and Stone area, (undated). P. 135-135.
- 63) Telephone notes to Dr. Virginia Bailey from Mr. C. Nelson re: Maryland Sand, Gravel and Stone Site, (undated). P. 136-136.

- 64) Fact Sheet: Background Fact Sheet for The Sand, Gravel and Stone Site, (undated). P. 137-138. A location map is attached.
- 65) Handwritten notes re: Maryland Sand and Gravel Summary, (undated). P. 139-144. Two site sketches and a Chain of Custody Record for sample numbers C-01154, C-01160, C-01161, C-01162, C-01163, C-01164, C-01165, C-01166, C-01167, C-01168, C-01169 and C-01170 is attached.

REMEDIAL ENFORCEMENT PLANNING

Signed Orders

- 1) Consent Order in the Matter of Sand, Gravel and Stone Site, 1/10/85. P.
- 2) Administrative Order by Consent in the Matter of Sand, Gravel and Stone Site, Elkton, Maryland, Docket No. III 86-2-DC, 1/16/86. P.
- 3) Order on Consent, Amended Caption in the Matter of Sand, Gravel and Stone Site, Elkton, Maryland, Docket No. III 86-2-DC, 6/3/86. P. The Amendment is attached.
- 4) Amendment To Work Plan in the Matter of Sand, Gravel and Stone Site, Elkton, Maryland, Docket No. III 86-2-DC, 2/2/87. P.
- 5) Order on Consent, Amended Caption (#2) in the Matter of Sand, Gravel and Stone Site, Elkton, Maryland, Docket No. III 86-2-DC, 2/2/87. P.

REMEDIAL RESPONSE PLANNING

Work Plans

- 1) Report: Remedial Action Master Plan and Remedial Investigation/Feasibility Study Work Plan, Sand, Gravel and Stone Site, Elkton, Cecil County, Maryland, prepared by NUS Corporation, 12/83. P. 1-213. References are listed on P. 117-124.
- 2) Letter to Mr. Robert E. Stecik, Jr., NUS Corporation, from Mr. James S. Whang, AEPCO, Inc., re: Transmittal of the Proposed Waste Management Plan, 7/19/84. P. 214-217. The Waste Management Plan, a letter regarding the chemical partitioning analysis and a table on the maximum air concentrations are attached.

Remedial Investigation/Feasibility Study Reports

- 1) Report: Site Specific Field Sampling Plan for the Remedial Investigation/Feasibility Study, prepared by AEPCO, Inc., 6/28/84. P. 1-48.
- 2) Report: Site Specific Quality Assurance Plan for the Remedial Investigation/Feasibility Study, prepared by AEPCO, Inc., 6/28/84. P. 49-114.
- 3) Report: Draft Remedial Investigation and Feasibility Study (RI/FS) Report, (Volume I-RI Report), prepared by Mr. James S. Whang, AEPCO, Inc., 4/85. P. 115-474. References are listed on P. 132, 138, 268 and 327-337.
- 4) Report: Draft Remedial Investigation and Feasibility Study (RI/FS) Report, (Volume II-FS Report), prepared by Mr. James S. Whang, AEPCO, Inc., 5/85. P. 475-576.
- 5) Report: Final Draft Remedial Investigation and Feasibility Study (RI/FS) Report, prepared by Mr. James S. Whang, AEPCO, Inc., 6/85. P. 557-1208. References are listed on P. 603, 787, 844-845 and 1038-1048.
- 6) Report: Project Operations Plan for Field Activities at Maryland Sand, Gravel, and Stone Site, Elkton, MD (no author cited), (undated). P. 1209-1230.
- 7) Report: Remedial Investigation and Feasibility Study (RI/FS) Report, Sand, Gravel, and Stone Site, Elkton, Cecil County, Maryland, Final Draft Report, prepared by Mr James S Whang, AEPCO, Inc, 7/85. P. 1231-1788.

Correspondence and Supporting Documentation

- 1) United States Department of the Interior, Geological Survey, 9/9/53. P. 1-1.
- 2) Application for Permit to Drill Well, 4/29/55. P. 2-2.
- 3) Well Completion Report, 6/3/55. P. 3-3.
- 4) Application for Permit to Drill Well, 5/17/65. P. 4-4.
- 5) Well Completion Report, 10/4/65. P. 5-6. A site map is attached.
- 6) Application for Permit to Drill Well, 5/6/68. P. 7-7.
- 7) Well Completion Report, 6/14/68. P. 8-8.
- 8) Application for Permit to Drill Well, 9/8/70. P. 9-9.
- 9) Well Completion Report, 10/2/70. P. 10-10.
- 10) Well Completion Report, 10/9/70. P. 11-11.
- 11) Application for Permit to Drill Well, 10/10/70. P. 12-12.
- 12) Well Completion Report, 5/17/81. P. 13-13.
- 13) Geophysical Log, United States Geological Survey, 11/19/82. P. 14-14.
- 14) Well Completion Report, 11/20/82. P. 15-16. A single case well form is attached.
- 15) Geophysical Log, United States Geological Survey, 11/29/82. P. 17-17.
- 16) Laboratory Analytical Sheet for Lab. ID No. 2336006, 11/30/82. P. 18-19. A well log sheet is attached.
- 17) Laboratory Analytical Sheet for Lab. ID No. 2343024, 12/7/82. P. 20-21. A well log sheet is attached.
- 18) Memorandum to Mr. A. K. Bomberger, NUS Corporation, from Mr. R. E. Stecik, NUS Corporation, re: Review of EPA files for the Maryland Sand and Stone Site, 3/11/83. P. 22-22.

- 19) Memorandum to Mr. A. K. Bomberger, NUS Corporation, from Mr. R. E. Stecik Jr., NUS Corporation, re: Trip report to Maryland Sand and Gravelstone Site, 3/25/83. P. 23-26. A site map is attached.
- 20) Letter to Mr. Robert Stecik, NUS Corporation, from Mr. John K. Chlada, Maryland Department of Health and Mental Hygiene, re: Transmittal of a rough map of the site, 11/7/83. P. 27-28. The site map is attached.
- 21) Letter to Mr. Robert Stecik, NUS Corporation, from Mr. John K. Chlada, Maryland Department of Health and Mental Hygiene, re: Transmittal of well drilling logs for some of the domestic wells around the site, 11/21/83. P. 29-43. A letter regarding the Well Completion Reports, a site map and twelve Well Completion Reports are attached.
- 22) Memorandum to Mr. D. R. Brenneman from Mr. R. E. Stecik re: Notes from meeting held on February 16, 1984 at EPA Region III office, 2/16/84. P. 44-45.
- 23) Letter to Mr. Ronald Nelson, Maryland Department of Health and Mental Hygiene, from Mr. Thomas C. Voltaggio, U.S. EPA, re: Coordinating the removal and remedial programs at the site, 3/27/84. P. 46-47.
- 24) Memorandum to Mr. D. R. Brenneman from Mr. R. E. Stecik re: Project meeting held on April 10, 1984, 4/10/84. P. 48-51.
- 25) Memorandum to Mr. Robert E. Stecik, Jr., NUS Corporation, from Mr. James S. Whang, AEPCO, Inc., re: Minutes from the April 10, 1984 project initiation meeting, 4/16/84. P. 52-54.
- 26) Memorandum to Mr. D. R. Brenneman from Mr. R. E. Stecik re: Project meeting held on April 25, 1984, 4/30/84. P. 55-59.
- 27) Memorandum to Mr. Robert E. Stecik, NUS Corporation, from Mr. James S. Whang, AEPCO, Inc., re: Minutes from the project meeting held on April 25, 1984, 4/30/84. P. 60-62.
- 28) Letter to Mr. Warren K. Rich, Niles, Barton & Wilmer, from Ms. Mary B. Coe, U.S. EPA, re: Permission to allow EPA entrance to the Maryland Sand, Gravel and Stone Site, 5/22/84. P. 63-63.

- 29) Memorandum to Mr. Jerry Heston, U.S. EPA, from Mr. Dick Brunker, U.S. EPA, re: Current toxic hazards found at the site, 6/13/84. P. 64-64.
- 30) Letter to Mr. Roy Schrock, U.S. EPA, from Mr. Robert E. Stecik, Jr., NUS Corporation, re: Transmittal of the Cecil Whig newspaper article entitled "Chemical Study to Cost \$650,000," 6/27/84. P. 65-67. The article is attached.
- 31) Memorandum to Mr. Robert E. Stecik, Jr., NUS Corporation, from Mr. James S. Whang, AEPCO, Inc., re: Minutes from the August 10, 1984 project meeting, 8/15/84. P. 68-71. A table of the maximum air concentration for waste management action table is attached.
- 32) Letter to Mr. John Koontz, Maryland Department of Health and Mental Hygiene, from Mr. Roy Schrock, U.S. EPA, re: Waste handling plan, 9/28/84. P. 72-72.
- 33) Memorandum to Mr. Robert E. Stecik, Jr., NUS Corporation, from Dr. James S. Whang, AEPCO, Inc., re: Meeting notes concerning Task 16 the drilling program at the Sand, Gravel and Stone Site, 11/21/84. P. 73-78. Procedures for Drilling Deep and Shallow Wells are attached.
- 34) Memorandum to Mr. D. R. Brenneman from Mr. R. E. Stecik Jr., re: Meeting notes for Sand, Gravel and Stone Site Remedial Investigation/Feasibility Study, 11/27/84. P. 79-81.
- 35) Memorandum to Mr. Robert E. Stecik, Jr., NUS Corporation, from Dr. James S. Whang, AEPCO, Inc., re: Minutes from an onsite project meeting concerning Task 16 at the Sand, Gravel and Stone Site, 11/30/84. P. 82-84.
- 36) Memorandum to Mr. Robert E. Stecik, Jr., NUS Corporation, from Dr. James S. Whang, AEPCO, Inc., re: Project Meeting Notes concerning Task 16 - Subsurface Investigation and Drilling Program, 11/30/84. P. 85-90. Procedures for Drilling Deep and Shallow Wells are attached.
- 37) Telephone notes between Dr. Jim Whang, AEPCO, Inc., and

- Mr. R. Stecik, NUS Corporation, re: Drilling at the Sand, Gravel and Stone Site, 12/5/84. P. 91-91.
- 38) Telephone notes between Dr. Jim Whang, AEPCO, Inc., and Mr. R. Stecik, NUS Corporation, re: Drilling concerns at the Sand, Gravel and Stone Site, 1/21/85. P. 92-92.
 - 39) Letter to Mr. Richard Willey, U.S. Department of the Interior, from Mr. Ramesh J. Shah, NUS Corporation, re: Drilling and hydrology of the area near the site, 1/24/85. P. 93-93
 - 40) Letter to Mr. Abe Ferdas, U.S. EPA, from Mr. John W. Koontz, Maryland Department of Health and Mental Hygiene, re: Well-drilling at the site, 1/25/85. P. 94-95.
 - 41) List of Residential Wells, 2/18/85. P. 96-100. A map of the well is attached.
 - 42) Meeting Minutes re: Status of the drilling program, 2/19/85. P. 101-103.
 - 43) Meeting Minutes re: Status of the project, 2/25/85. P. 104-107.
 - 44) Letter to Dr. Kenneth D. Woodruff, University of Delaware, from Mr. James S. Whang, AEPCO, Inc., re: Samples collected at the site, 2/28/85. P. 108-108.
 - 45) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Donald Senovich, NUS Corporation, and Mr. Robert J. Hubbard, NUS Corporation, re: Organic data validation, 2/28/85. P. 109-112. The data is attached.
 - 46) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Donald Senovich, NUS Corporation, re: Organic data validation of sixty-three volatile fraction sample analyses, 2/28/85. P. 113-117. The data is attached.
 - 47) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Donald Senovich, NUS Corporation, and Mr. Robert J. Hubbard, NUS Corporation, re: Inorganic data validation of thirty-four sample analyses, 3/5/85. P. 118-120. The data is attached.
 - 48) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Donald Senovich, NUS Corporation, and Mr. Robert J. Hubbard, NUS Corporation, re: Inorganic data validation of thirteen

sample analyses, 3/6/85. P. 121-122.

- 49) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Donald Senovich, NUS Corporation, and Mr. Robert J. Hubbard, NUS Corporation, re: Inorganic data validation of fifty sample analyses, 3/6/85. P. 123-134. The data is attached.
- 50) Meeting Minutes re: Phase II Remedial Investigation/ Feasibility Study Project Status Review, 3/7/85. P. 135-137.
- 51) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Donald Senovich, NUS Corporation, and Mr. Robert J. Hubbard, NUS Corporation, re: SAS data validation of twenty-nine sample analyses, 3/8/85. P. 138-140. The data is attached.
- 52) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Donald Senovich, NUS Corporation, and Mr. Robert J. Hubbard, NUS Corporation, re: Organic data validation of eight pesticide fraction sample analyses, 3/11/85. P. 141-143. The data is attached.
- 53) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Donald Senovich, NUS Corporation, and Mr. Robert J. Hubbard, NUS Corporation, re: SAS data validation of fifty sample analyses, 3/11/85. P. 144-146. The data is attached.
- 54) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Donald Senovich, NUS Corporation, and Mr. Robert J. Hubbard, NUS Corporation, re: Inorganic data validation of thirty-four sample analyses, 3/12/85. P. 147-150. The data is attached.
- 55) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Robert J. Hubbard, NUS Corporation, and Mr. Donald Senovich, NUS Corporation, re: Inorganic data validation of fifty sample analyses, 3/13/85. P. 151-154. The data is attached.
- 56) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Robert J. Hubbard, NUS Corporation, and Mr. Donald Senovich, NUS Corporation, re: Inorganic data validation of eight sample analyses, 3/14/85. P. 155-157. The data is attached.
- 57) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Robert

J. Hubbard, NUS Corporation, and Mr. Donald Senovich, NUS Corporation, re: Organic data validation of twenty-nine volatile fraction sample analyses, 3/14/85. P. 158-161. The data is attached.

- 58) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Robert J. Hubbard, NUS Corporation, and Mr. Donald Senovich, NUS Corporation, re: Inorganic validation of twenty-nine metals analyses, 3/22/85. P. 162-164. The data is attached.
- 59) Memorandum to Mr. Bob Stecik, NUS Corporation, from Mr. Haia Roffman, NUS Corporation, re: Validated results of water samples, 3/27/85. P. 165-165.
- 60) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, and Mr. David E. MacIntyre, NUS Corporation, re: Volatile organic data of forty-five water samples, 4/4/85. P. 166-170. The data is attached.
- 61) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, and Mr. Donald E. MacIntyre, NUS Corporation, re: Data validation on the wet chemistry/TOC analytical data of forty-five water samples, 4/4/85. P. 171-173. The data is attached.
- 62) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, and Mr. David E. MacIntyre, NUS Corporation, re: Inorganic analytical data of thirty-three water samples, 4/8/85. P. 174-177. The data is attached.
- 63) Memorandum to Mr. R. E. Stecik, NUS Corporation, from Mr. H. K. Roffman, NUS Corporation, re: Data validation of water sample, 4/10/85. P. 178-179. The data is attached.
- 64) Letter to Dr. James Whang, AEPCO, Inc., from Ms. Beverly A. Flick, Schnabel Engineering Associates, and Mr. Brian W. Beard, Schnabel Engineering Associates, re: Results of soil laboratory tests, 4/10/85. P. 180-188. The following are attached:
 - a) an Identification of Soil;
 - b) a summary of soil laboratory tests;

- c) three graduation curves;
 - d) two consolidation curves.
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- 65) Memorandum to Mr. R. E. Stecik, NUS Corporation, from Mr. H. K. Roffman, NUS Corporation, re: Results from field screening samples, 4/10/85. P. 189-189.
 - 66) Letter to Mr. Robert E. Stecik, Jr., NUS Corporation, from Mr. James S. Whang, AEPCO, Inc., re: Omissions of data from the Draft Remedial Investigation Report, 4/11/85. P. 190-191.
 - 67) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, re: Inorganic analytical data of two samples, 4/15/85. P. 192-193.
 - 68) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, re: Organic analytical data of thirteen waste samples, 4/15/85. P. 194-197. The data is attached.
 - 69) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, re: Organic analytical data of nine major water samples, 4/24/85. P. 198-199.
 - 70) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, re: Organic analytical data of nine major water sample, 4/24/85. P. 198-199.
 - 71) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, re: Organic analytical data of ten soil samples, 4/29/85. P. 200-201.
 - 72) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, re: Inorganic analytical data of twelve soil samples, 4/29/85. P. 202-203.
 - 73) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, re: Organic analytical data of twenty water samples, 4/29/85. P. 204-206. The data is attached.
 - 74) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Richard W. McCracken, NUS Corporation, re: TOX analytical data of thirty-three water samples, 5/6/85. P. 207-210. The data is attached.

- 75) Letter to Ms. Patricia Krantz, U.S. EPA, from Mr. Haia K. Roffman, NUS Corporation, re: Analytical data from water samples, 5/15/85. P. 211-212.
- 76) Report: Organic and Volatile Organics Analysis Report Form, prepared by Maryland State Department of Health and Mental Hygiene, 5/21/85. P. 213-220.
- 77) Letter to Mr. Roy Schrock, U.S. EPA, from Mr. James S. Whang, AEPCO, Inc., re: Samples collected from three residential wells near the site, 6/10/85. P. 221-221.
- 78) Letter to Mr. Roy Schrock, U.S. EPA, from Dr. James S. Whang, AEPCO, Inc., re: Groundwater quality in residential wells near the site, 6/17/85. P. 222-224.
- 79) Letter to Mr. Abe Ferdas, U.S. EPA, from Mr. John W. Koontz, Maryland Department of Health and Mental Hygiene, re: Comments on initial draft of the Feasibility Study for Phase I of the Sand, Gravel and Stone Site, 6/18/85. P. 225-226.
- 80) Letter to Mr. Walter L. Poff from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 227-228. The laboratory results are attached.
- 81) Letter to YMCA from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 229-230. The laboratory results are attached.
- 82) Letter to Ms. Rene Dugard from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 231-232. The laboratory results are attached.
- 83) Letter to Ms. Jane Meogross from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 233-234. The laboratory results are attached.
- 84) Letter to Mr. Aaron Pettitt from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 235-236. The laboratory results are attached.

- 85) Letter to Mr. Clifton McNatt from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 237-238. The laboratory results are attached.
- 86) Letter to Mr. and Mrs. Dunlop from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 239-240. The laboratory results are attached.
- 87) Letter to Mr. B. G. Holley from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 241-242. The laboratory results are attached.
- 88) Letter to Mr. Eugene Thomas from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 243-244. The laboratory results are attached.
- 89) Letter to Mr. Sam Goode from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 245-246. The laboratory results are attached.
- 90) Letter to Mr. Charels Emiley from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 247-248. The laboratory results are attached.
- 91) Letter to Mr. and Mrs. Forrester from Mr. Thomas C. Voltaggio, U.S. EPA, re: Analytical results from the residential well samples taken in March 1985, 8/6/85. P. 249-258. The laboratory results, a summary of the residential well logs, two maps of the location of the residential wells and a list of the residential wells sampled are attached.
- 92) Letter to Mr. Roy Schrock, U.S. EPA, from Mr. John T. Barr, Air Products and Chemicals, Inc., re: Preliminary comments on the Draft Remedial Investigation/Feasibility Study, 8/9/85. P. 259-267.
- 93) Fact Sheet: Remedial Investigation and Feasibility Study (Phase I), Sand, Gravel and Stone Site, Elkton, Cecil County, Maryland, 9/85. P. 268-299.
- 94) Report: Meeting Summary Report (no author cited),

9/5/85. P. 300-304.

- 95) Letter to Mr. Roy Schrock, U.S. EPA, from Mr. S. L. Carlock, Department of the Army, re: Transmittal of the Corps of Engineers comments on the latest revision to the Feasibility Study, 9/5/85. P. 305-312. Seven Corps of Engineers Comments Forms are attached.
- 96) Letter to Mr. Roy Schrock, U.S. EPA, from Mr. Robert E. Stecik, Jr., NUS Corporation, and Mr. David E. MacIntyre, NUS Corporation, re: Transmittal of AEPCO's response to Technical Review Comments, 9/10/85. P. 313-318. The responses are attached.
- 97) Letter to Mr. Roy Schrock, U.S. EPA, from Mr. Lester O. Brown, Niles, Barton & Wilmer, re: Comments on the Draft Remedial Investigation/Feasibility Study, 9/19/85. P. 319-338.
- 98) Report: Comments on The Remedial Investigation/Feasibility Study (Phase I), Maryland Sand, Gravel, and Stone Site, Elkton, Cecil County, Maryland, prepared by Dames & Moore, 9/20/85. P. 339-360.
- 99) Letter to Mr. Roy Schrock, U.S. EPA, from Mr. John T. Barr, Air Products and Chemicals, Inc., re: Comments on the Proposed Remedial Action Plan, 9/24/85. P. 361-367.
- 100) Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. Ronald Nelson, Maryland Department of Health and Mental Hygiene, re: Concurrence with EPA's preferred alternative C-2 from the Feasibility Study, 9/26/85. P. 368-369.
- 101) Report: Comments on the RI/FS (Phase I), Maryland Sand, Gravel, and Stone Site, Elkton, Cecil County, Maryland, prepared by Dames & Moore, 9/26/85. P. 370-388.
- 101) Letter to Mr. Robert E. Stecik, Jr., NUS Corporation, from Mr. James S. Whang, AEPCO, Inc., re: AEPCO's demobilization plan, 3/26/86. P. 389-391. A final inventory of wastes generated during the Phase I Remedial Investigation/ Feasibility Study and a final inventory of materials remaining at the site are attached.
- 102) Memorandum to Mr. Bill Cawley, U.S. EPA, from Ms. Libby Rhoads, U.S. EPA, re: Wetland assessment, 6/30/86. P. 391a-391a.

- 103) Memorandum to Mr. Robert Stecik from Mr. Farrell Melnick re: Trip report to the site, (undated). P. 392-395. A table on monitoring instrument results and a site map are attached.
- 104) Application for Permit to Drill Well, (undated). P. 396-396.
- 105) Well Completion Report, (undated). P. 397-397.

Work Assignments

- 1) Letter to Mr. Robert E. Stecik, Jr., NUS Corporation, from Mr. James S. Whang, AEPCO, Inc., re: Transmittal of the Task and Site Safety Follow Up reports for Numbers 14, 15 and 16, 10/31/84. P. 1-26. The reports are attached.
- 2) Memorandum to Mr. Robert E. Stecik from Mr. James S. Whang, AEPCO, Inc., re: Work Progress Report - Task 18, 12/10/84. P. 27-28.
- 3) Letter to Mr. Robert E. Stecik, Jr., NUS Corporation, from Mr. James S. Whang, AEPCO, Inc., re: Cost proposal for increase and revision in scope of services, 3/19/85. P. 29-32. A monitoring well map is attached.

Record of Decision/Enforcement Decision Document

- 1) Letter to Mr. Stephen R. Wassersug, U.S. EPA, from Mr. Ronald Nelson, Maryland Department of Health and Mental Hygiene, re: Review of the draft Remedial Investigation/Feasibility Study dated July 1985, 9/26/85. P. 1-2.
- 2) Record of Decision, Remedial Alternative Selection, 9/30/85. P. 3-49.
- 3) Preferred Alternative, Maryland Sand, Gravel and Stone Site, (undated). P. 50-50.

REMEDIAL ENFORCEMENT IMPLEMENTATION

Final Consent Decree

- 1) Notice: Lodging of Consent Decree Pursuant to The Comprehensive Environmental Response, Compensation and Liability Act; Air Products and Chemicals et al., Vol. 53, Federal Register, No. 46, 3/9/88. P. 1-2.
- 2) Letter to the Honorable Joseph C. Howard from Mr. Breckinridge L. Willcox, U.S. Department of Justice and Mr. David P. King, U.S. Department of Justice, re: United States vs. Air Products, et al., Civil Action No. JH-88-365, 4/18/88. P. 3-158. The following are attached:
 - a) the Consent Decree;
 - b) the Record of Decision;
 - c) a letter regarding the Draft Remedial Investigation/ Feasibility Study;
 - d) a site map;
 - e) a Fund Management Provisions of CSI Agreement.

EMERGENCY REMOVAL RESPONSE PROJECTS

Operational Documents

- 1) Superfund Record of Communications to Mr. C. Walters, U.S. EPA, from Mr. M. Zuckler, U.S. EPA, re: Degree of direct contact threat to the public health posed by the site, 5/1/84. P. 1-1.
- 2) Superfund Record of Communications to Mr. K. Gray, U.S. EPA, from Mr. C. Walters, U.S. EPA, and Mr. M. Zuckler, U.S. EPA, re: Immediate removal of waste from the site, 5/14/84. P. 2-2.
- 3) Superfund Record of Communications to Mr. C. J. Walters, U.S. EPA, and Mr. Mike Zuckler, U.S. EPA, from Mr. M. McClanahan, U.S. EPA, re: Questions about the Hamilton drinking water, 5/15/84. P. 3-3.

On-Scene Coordinator's Report

- 1) Report: CERCLA Immediate Removal Action Federal On-Scene Coordinator's Report, Maryland Sand and Gravel, Elkton, Maryland (no author cited), (undated). P. 1-107.

IMAGERY

- 1) Report: Site Analysis, Sand, Gravel and Stone Site, Elkton, Maryland, prepared by Mr. Larry Mata, The Bionetics Corporation, 12/83. P. 1-16.
- 2) Aerial Photograph of Sand, Gravel and Stone Site, (undated). P. 17-17.
- 3) Photographs of the Pond P03, (undated). P. 18-19.
- 4) Photographs of the northern part of the site, (undated). P. 20-20.
- 5) Photographs of the eastern part of the site, (undated). P. 21-22.
- 6) Photographs of the swamp area, (undated). P. 23-24.
- 7) Photographs of the sedge meadow, (undated). P. 25-27.
- 8) Photographs of the old sedimentation pond, (undated). P. 28-28.
- 9) Photographs of the Pond P01, (undated). P. 29-29.
- 10) Photographs of the camera due south from northern part of the site, (undated). P. 30-31.
- 11) Photographs of the western excavated areas, (undated). P. 32-33.
- 12) Photographs of the camera due southeast from pond P03 on the right, (undated). P. 34-34.
- 13) Photographs of the area near pond P01, (undated). P. 35-35.

CONGRESSIONAL CORRESPONDENCE

- 1) Letter to Senator Mathias, Senator Beall, Governor Mandel, Delegate Tucker Mackie, and Delegate Clayton Mitchell from local residents re: Galaxy Chemical dumping, 2/16/75. P. 1-14.
- 2) Letter to Honorable J. Glenn Beall, Jr., United States Senate, from Mr. Daniel J. Snyder re: Status of the environmental study in the Providence Valley, Cecil County, Maryland, 4/11/75. P. 15-17.
- 3) Letter to Mrs. Margie Carter from Governor Marvin Mandel re: Odor emitted from Maryland Sand and Gravelstone Company, 4/16/75. P. 18-18.
- 4) Letter to Honorable Edward M. Kennedy, United States Senate, from Mr. Daniel J. Snyder re: Status of the environmental study in the Providence Valley, Cecil County, Maryland, 5/6/75. P. 19-21.
- 5) Memorandum to File from Mr. Thomas C. Voltaggio, U.S. EPA re: Meeting with Maryland State Senator Winegrad, 6/7/83. P. 22-22.

COMMUNITY INVOLVEMENT

Fact Sheets, Press Releases, Public Notices

- 1) Press Release from EPA Environmental News entitled "Report Available for Review on the Maryland Sand, Gravel and Stone Superfund Site," 8/28/85. P. 1-1.
- 2) Press Release from EPA Environmental News entitled "Meeting Scheduled for the Sand, Gravel and Stone Superfund Site," 9/4/85. P. 2-2.
- 3) Press Release entitled "Sand, Gravel and Stone Superfund Meeting Scheduled," (undated). P. 3-4.
- 4) Press Release entitled "Public Meeting on Work Plan Maryland Sand, Gravel and Stone Superfund Site," (undated). P. 5-6.
- 5) Information For Press Release: Sand, Gravel and Stone Site, Elkton, Maryland, (undated). P. 7-7.

Meeting Summaries, Trip Reports, Correspondence with the Public

- 1) Letter to Delegate Ronald A. Guns from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 1-1
- 2) Letter to Dr. Virginia Bailey, Cecil County Health Department, from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 2-2.
- 3) Letter to Mr. William Ball from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 3-3.
- 4) Letter to Mr. Robert Adams, Maryland Board of County Commissioners, from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 4-4.
- 5) Letter to Delegate John M. Ashley, Jr., from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 5-5

- 6) Letter to Senator Walter M. Baker from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 6-6.
- 7) Letter to Mr. Daniel Mahan, Cecil County Detention Center, from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 7-7.
- 8) Letter to Mr. Clifton L. Buckworth from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 8-8.
- 9) Letter to Mayor James Crouse from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 9-9.
- 10) Letter to Delegate R. Clayton Mitchell, Jr. from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 10-10.
- 11) Letter to Senator William H. Amoss from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 11-11.
- 12) Letter to Mr. William Sumner from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 12-12.
- 13) Letter to Mr. Frank D. Ragan, Maryland Board of County Commissioners, from Mr. Robert E. Chadwick, U.S. EPA re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 13-13.
- 14) Letter to Delegate Ethel Murray from Mr. Robert E. Chadwick, U.S. EPA, re: Public meeting to discuss the Draft Work Plan for a Remedial Investigation and Feasibility Study, 5/22/84. P. 14-14.
- 15) Attendance Sheet for Public Meeting , 5/29/84. P. 15-18.

- 16) Memorandum to Mr. Robert E. Chadwick, U.S. EPA, from Mr. George V. Bochanski, Jr., U.S. EPA, re: Trip report to the site, 5/29/84. P. 19-20.
- 17) Memorandum to Mr. R. E. Stecik, NUS Corporation, from Mr. E. A. Cardinal, NUS Corporation, re: Notes from the public meeting held on May 29, 1984, 6/21/84. P. 21-22.
- 18) Public Meeting Summary, 9/5/85. P. 23-24.
- 19) Summary of Citizen and Interested-Party Comments and Concerns, 9/5/85. P. 25-27.
- 20) Attendance Sheet for Public Meeting, 9/5/85. P. 28-29.
- 21) Report: Temporary Relocation Plan for the Sand, Gravel and Stone Site, Elkton, Cecil County, Maryland (no author cited), (undated). P. 30-38.
- 22) Attendance Sheet for Public Meeting, (undated). P. 39-40.

LEGAL ACTIONS

Referral

- 1) Letter to Ms. Lydia Isales, U.S. EPA, from Mr. David P. King, U.S. Department of Justice, and Mr. Breckinridge L. Willcox, U.S. Department of Justice, re: United States vs. Air Products, et al, Civil Action No. JH-88-365, 3/9/88. P. 1-60. The following are attached:
 - a) a Summons;
 - b) a Complaint;
 - c) an Exhibit to the Complaint;
 - d) an Administrative Order on Consent;
 - e) a memorandum regarding the Disclosure of Corporate Interest 10-A;
 - f) a Disclosure of Corporate Affiliations and Financial Interest Information Sheet;
 - g) a Notice of Right to Consent to the Exercise of Civil Jurisdiction by a Magistrate and Appeal Option;
 - h) a Consent to Proceed Before a United States Magistrate Election of Appeal to District Judge and Order of Reference.
- 2) Letter to the Honorable Joseph C. Howard from Mr. Breckinridge L. Willcox, U.S. Department of Justice and Mr. David P. King, U.S. Department of Justice, re: United States vs. Air Products, et al., Civil Action No. JH-88-365, 4/18/88. P. 61-216. The following are attached:
 - a) a Consent Decree;
 - b) a Record of Decision;
 - c) a letter regarding the Draft Remedial Investigation/Feasibility Study;
 - d) a site map;
 - e) a "Fund Management" Provisions of CSI Agreement.

BIBLIOGRAPHY OF SITE SPECIFIC GUIDANCE DOCUMENTS

- 1) Memorandum to the Director, Office of Emergency and Remedial Response, U.S. EPA Region III, and addressees, from Mr. William N. Hedeman, U.S. EPA, re: Public Health Risk Assessment, 7/23/85.
- 2) Memorandum to the Regional Administrators, U.S. EPA Region I-X, and addressees, from Mr. J. Winston Porter, U.S. EPA, re: Endangerment Assessment Guidance, 11/22/85.
- 3) Memorandum to Mr. James M. Seif, U.S. EPA, from Mr. Stephen R. Wassersug, U.S. EPA, re: Endangerment Assessment for the Sand, Gravel and Stone Site, Elkton, Maryland, 1/13/86.
- 4) Report: The Endangerment Assessment Handbook, prepared by ICAIR Life Systems, Inc., and PRC Environmental Management, Inc., (undated).
- 5) Report: The Toxicology Handbook, Principles Related to Hazardous Waste Site Investigations, prepared by ICAIR Life Systems, Inc., and PRC Environmental Management, Inc., (undated).
- 6) Report: The Citizen's Guidance Manual For The Technical Assistance Grant Program, prepared by U.S. EPA, 5/88.